

Abstract

Title: Science and Technology of Materials for Energy at Sandia, CA

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As a DOE funded R&D laboratory, we are actively engaged in multiple fronts of science and technology (S&T) related to energy applications. Many of these programs can be applied to defense as well as civilian use. In this talk, I will describe the energy programs and missions at the Sandia CA. These programs include material development for hydrogen storage and S&T advancement in thermoelectric power generation. For the thermoelectric (TE) power generation, I will present and discuss the material science issues encountered for Bi₂Te₃-based TE system and its implication to power generation efficiency.

